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PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Krivitski, Nikolai M. Atty. Docket: 86017.000012
Serial No.: 09/241,455 Examiner: Brian Scott Szmal
Filed: February 2, 1999 Art Unit: 3736
Title: METHOD AND APPARATUS FOR DETERMINING A BLOOD FLOW
DURING VASCULAR ACCESS DYSFUNCTION CORRECTIVE
PROCEDURES

AMENDMENT

Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

In response to the non final Office Action mailed 25 June 2002, please
consider the above referenced application amended as follows:

In the Claims:

2. The apparatus of Claim 34, wherein one of the sensor and the catheter is
configured to locate the sensor with respect to the vessel to minimize wall effects.

3. The apparatus of Claim 34, further comprising a controller operably
connected to the sensor to calculate a flow rate corresponding to the signal from the
downstream sensor.

4. The apparatus of Claim 34, wherein the blood property change port
includes an aperture for introducing a blood property variant.

5. The apparatus of Claim 34, wherein the blood property change port and
the sensor are spaced by a sufficient distance to substantially mix a dilution
indicator introduced through the port and the blood flow.

6. The apparatus of Claim 34, wherein the blood property change port
includes one of a heat sink and a heat source for creating a local temperature
gradient.

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